

Aspects of scattering in the time domain

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Since I was a graduate student in the late 1970s, I have worked on scattering problems in the frequency domain: I was content with the mantra “time-domain problems can be treated using Fourier transforms”. In the last couple of years, I have begun working in the time domain, “going back to basics”, with a focus on the scattering of scalar waves by spheres and spheroids. It turns out that there are things to learn, with a few surprises (to me, at least), and these will be the subject of my talk.